



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to Director: OPPE Information Management Division (2137) U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

## DATA MATRIX

Date April 25, 2022			EPA Reg. No./File Symbol 93207-2		Page 1 of 5
Applicant's/Registrant's Name & Address: New Thinking Technology Inc 1942 BROADWAY STREET, SUITE 314C BOULDER, CO 80302			Product Flea and Tick Collar with Deltamethrin		
Active Ingredient <b>Deltamethrin (PC Code 97805)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>PRODUCT CHEMISTRY:</b>					
PC data for Deltamethrin Technical (98.5%)					
830.1550	Product Identity and Composition	47866501	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.1600	Description of Beginning Materials	47866501	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.1620	Description of Production Process	47866501 48623201	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.1650	Description of Formulation Process		Not applicable, this is PC data for TGAI		
830.1670	Description of Formation of Impurities	47866501	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.1700	Preliminary Analysis	47866502	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.1750	Certification of Limits	47866501	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.1800	Enforcement Analytical Method	47866502	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.6302	Color	47866503	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.6303	Physical State	47866503	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.6304	Odor	47866503	TAGROS CHEMICALS INDIA, LTD.	EXC	
Signature <i>Johnny Xu</i>			Name and Title Johnny Xu/ Manager		Date April 25, 2022



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Ingredient <b>Deltamethrin (PC Code 97805)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6313	Stability to normal & elevated temp, metal, metal ion	47866503	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.6314	Oxidation/Reduction		Not applicable. Product does not contain oxidizing or reducing agents.		
830.6315	Flammability		Not applicable. Product does not contain combustible liquids.		
830.6316	Explosibility		Not applicable. Product is not potentially explosive.		
830.6317	Storage Stability				
830.6319	Miscibility		Not applicable. Product is not intended for dilution with petroleum solvents.		
830.6320	Corrosion Characteristics				
830.6321	Dielectric Breakdown Voltage		Product is not intended for use around electrical equipment.		
830.7000	pH	47866503	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.7050	UV/ visible Spectrum	47866503	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.7100	Viscosity		Not required because product is a solid.		
830.7200	Melting point	47866503	TAGROS CHEMICALS INDIA, LTD.	EXC	
Signature <i>Johnny Xu</i>			Name and Title Johnny Xu/ Manager		Date April 25, 2022

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Ingredient <b>Deltamethrin (PC Code 97805)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7300	Density	47866503	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.7370	Dissociation Constant		Not required since there is no acidic or basic functionality in the Deltamethrin molecule. The measurement of pKa is only applicable to molecules which have an acid group (carboxylate, phenol or phosphoric acid for example) or basic group (amine). None of the methrin compounds fall into None of the methrin compounds fall into		
830.7570	Octanol/Water Partition Coefficient	47866503	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.7840/60	Water Solubility	47866503	TAGROS CHEMICALS INDIA, LTD.	EXC	
830.7950	Vapor Pressure	47866503	TAGROS CHEMICALS INDIA, LTD.	EXC	
<b>PC data for EUP</b>					
830.1550	Product Identity and Composition	51006301	New Thinking Technology Inc	OWN	
830.1600	Description of Beginning Materials	51006301	New Thinking Technology Inc	OWN	
830.1620	Description of Production Process	51006301	New Thinking Technology Inc	OWN	
830.1650	Description of Formulation Process	51006301	New Thinking Technology Inc	OWN	
830.1670	Description of Formation of Impurities	51006301	New Thinking Technology Inc	OWN	
830.1800	Enforcement analytical method	51889901	New Thinking Technology Inc	OWN	
Signature <i>Johnny Xu</i>			Name and Title <b>Johnny Xu/ Manager</b>		Date April 25, 2022



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Ingredient <b>Deltamethrin (PC Code 97805)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6302	Color	51006302	New Thinking Technology Inc	OWN	
830.6303	Physical State	51006302	New Thinking Technology Inc	OWN	
830.6304	Odor	51006302	New Thinking Technology Inc	OWN	
830.6313	Stability to normal & elevated temp, metal, metal ion	51006302	New Thinking Technology Inc	OWN	
830.6314	Oxidation/Reduction	51006302	New Thinking Technology Inc	OWN	
830.6315	Flammability	51006302	New Thinking Technology Inc	OWN	
830.6316	Explosibility	51006302	New Thinking Technology Inc	OWN	
830.6317	Storage Stability	51006302	New Thinking Technology Inc	OWN	
830.6319	Miscibility	51006302	New Thinking Technology Inc	OWN	
830.6320	Corrosion Characteristics	51006302	New Thinking Technology Inc	OWN	
830.6321	Dielectric Breakdown Voltage	51006302	New Thinking Technology Inc	OWN	
830.7000	pH	51006302	New Thinking Technology Inc	OWN	
830.7100	Viscosity	51006302	New Thinking Technology Inc	OWN	
Signature <i>Johnny Xu</i>			Name and Title Johnny Xu/ Manager		Date April 25, 2022



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Ingredient <b>Deltamethrin (PC Code 97805)</b>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b><u>ACUTE TOXICITY:</u></b>					
870.1100	Acute Oral toxicity	42889001	Bayer Environmental Science	OLD	
870.1200	Acute Dermal toxicity	42889002	Bayer Environmental Science	OLD	
870.1300	Acute Inhalation toxicity	41651021	International Research and Development Corp	OLD	Waiver Request Accepted
870.2400	Primary Eye Irritation	42889003	Bayer Environmental Science	OLD	
870.2500	Primary Dermal Irritation	42889004	Bayer Environmental Science	OLD	
870.2600	Skin Sensitization	42889005	Bayer Environmental Science	OLD	
<b><u>SPECIAL STUDIES:</u></b>					
870.7200	Companion Animal Safety	42889006	Bayer Environmental Science	OLD	
<b><u>PRODUCT PERFORMANCE:</u></b>					
810.3300	Product Performance	44190101 44578702 44578703 44578704 44578705 44602901	Intervet, Inc.	OLD	
Signature <i>Johnny Xu</i>			Name and Title Johnny Xu/ Manager		Date April 25, 2022